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CLAIMS:

1. A method to configure a network device, comprising:

receiving a request to configure a first permanent virtual circuit (PVC) between a

- digital subscriber line (DSL) device and a DSL access module (DSLAM); and automatically configuring said first PVC using one of a plurality of PVC autoconfiguration algorithms.
 - 2. The method of claim 1, wherein said automatically configuring comprises: selecting a first PVC auto-configuration algorithm; executing said selected PVC auto-configuration algorithm; determining whether said first PVC has been configured; and selecting a second PVC auto-configuration algorithm in accordance with said determination.
 - 3. The method of claim 2, wherein said selecting a second PVC auto-configuration algorithm comprises:

determining said first PVC auto-configuration algorithm has failed; analyzing results of said first PVC auto-configuration algorithm; and selecting said second PVC auto-configuration algorithm using said results.

4. The method of claim 1, further comprising:

receiving a request to configure a second PVC for said DSL device;

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receiving configuration information for said second PVC; and configuring said second PVC using said configuration information.

- 5. The method of claim 4, wherein said configuration information may comprise a virtual channel identifier (VCI) and a virtual path identifier (VPI).
 - 6. The method of claim 1, wherein each of said PVC configuration algorithms comprise a PVC auto-configuration algorithm consisting essentially one of the following: PVC hunt, integrated local management interface (ILMI) PVC auto-configuration, and PVC probing.
 - 7. The method of claim 1, further comprising:

 sending a message that said first PVC was not configured after each of said

 plurality of PVC auto-configuration algorithms have been used; and

 receiving configuration information for said first PVC from a user.
 - 8. A system to configure a network device, comprising:
 a digital subscriber line (DSL) customer premise equipment (CPE);
 a DSL access module (DSLAM) connected to said DSL CPE; and
 a DSL configuration manager to configure a permanent virtual circuit (PVC)
 between said DSL CPE and said DSLAM using one of a plurality of auto-configuration algorithms.

- 9. The system of claim 8, wherein said DSL CPE comprises a DSL CPE consisting essentially one of the following: an asynchronous DSL (ADSL)/asynchronous transfer mode (ATM) router and an ADSL/ATM bridge.
- The system of claim 8, wherein said PVC may be configured using configuration information comprising a virtual channel identifier (VCI) and a virtual path identifier (VPI).
 - 11. A configuration manager for a network device, comprising:

a detection module to detect connection of a digital subscriber line (DSL) device with a DSL access module (DSLAM);

a configuration module to configure a permanent virtual circuit (PVC) between said DSL device and said DSLAM using one of a plurality of PVC auto-configuration algorithms.

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- 12. The configuration manager of claim 11, wherein said configuration module comprises:
 - a selection module to select a PVC auto-configuration algorithm;
 - a validation module to confirm configuration of said PVC; and

an analysis module to provide selection information to said selection module to select another PVC auto-configuration algorithm in accordance with results from said validation module.

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13. The configuration manager of claim 11, wherein said PVC may be configured using configuration information comprising a virtual channel identifier (VCI) and a virtual path identifier (VPI).

14. An article comprising:

a storage medium;

said storage medium including stored instructions that, when executed by a processor, result in receiving a request to configure a first permanent virtual circuit (PVC) between a digital subscriber line (DSL) device and a DSL access module (DSLAM), and automatically configuring said first PVC using one of a plurality of PVC auto-configuration algorithms.

- 15. The article of claim 14, wherein the stored instructions, when executed by a processor, result in automatically configuring said first PVC by selecting a first PVC auto-configuration algorithm, executing said selected PVC auto-configuration algorithm, determining whether said first PVC has been configured, and selecting a second PVC auto-configuration algorithm in accordance with said determination.
- 16. The article of claim 14, wherein the stored instructions, when executed by a processor, result in selecting a second PVC auto-configuration algorithm by determining said first PVC auto-configuration algorithm has failed, analyzing results of said first PVC auto-configuration algorithm, and selecting said second PVC auto-configuration algorithm using said results.

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- 17. The article of claim 14, wherein the stored instructions, when executed by a processor, further result in receiving a request to configure a second PVC for said DSL device, receiving configuration information for said second PVC, and configuring said second PVC using said configuration information.
- 18. The article of claim 14, wherein the stored instructions, when executed by a processor, further result in sending a message that said first PVC was not configured after each of said plurality of PVC auto-configuration algorithms have been used, and receiving configuration information for said first PVC from a user.